



# Technical Data Sheet

Revision: December 1, 2024  
Supersedes: New  
Ref. #: 835714, 835759

## Pro Seal Max Window & Door Sealant

### DESCRIPTION

GE branded Pro Seal Max Window & Door sealant is ideal for many exterior and interior applications and has a low odor. It applies without excess filament once you have completed your bead, ensuring an easy and mess-free application. This product is paintable and has a lifetime guarantee when handled and used as directed.

#### Available as:

Item #	Country	Package	Size	Color
3012000	USA	Plastic cartridge	9 fl. oz. (266 mL)	White
3012005	USA	Plastic cartridge	9 fl. oz. (266 mL)	Clear

### FEATURES & BENEFITS

- Easy and mess-free application
- Immediate water-ready <sup>[1]</sup>
- 60-minute paint-ready <sup>[2]</sup>
- Meets ASTM C-920 Class 35 specifications – white color
- Meets ASTM C-920 Class 25 specifications – clear color
- Adhesion to damp or dry surfaces <sup>[3]</sup>
- Shrink & crack-proof
- Permanent flexibility
- Low odor
- Lifetime Guarantee

### RECOMMENDED FOR

Pro Seal Max Window & Door sealant is designed for use in many common window & door applications such as sealing around windows, doors, siding, trim, soffits & vents. This sealant adheres to most stone/marble and metal surfaces, woods, aluminum, brick, stucco, masonry, cement board, glass, drywall, plaster, vinyl siding, PVC, fiberglass, fiber cement, EIFS, and most architectural coatings/finishes.

### LIMITATIONS

#### Should not be considered:

- For structural repairs
- For use underwater or in other applications where the product will be in continuous contact with water
- For use in food contact applications (direct or indirect)
- For use in aquariums
- On frozen or contaminated surfaces
- On excessively basic or acidic substrates
- For use on surfaces that are above 140°F (60°C)
- For use under shower door tracks, or as a spackling compound.
- For use on surfaces with special coatings, such as mirrors, without approval of the article's manufacturer

### COVERAGE

#### For a 9 fl. oz. (266 ml) cartridge:

- A 1/4" (6 mm) bead extrudes approx. 30 lin. ft. (9 m)
- A 3/8" (9.5 mm) bead extrudes approx. 12.3 lin. ft. (3.7 m)



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## TECHNICAL DATA

Typical Uncured Physical Properties			Typical Application Properties	
<u>Color:</u>	White, and colorless to light yellow		<u>Application Temperature:</u> (substrate & ambient)	Can be applied between 0°F (-18°C) and 140°F (60°C)
<u>Appearance:</u>	Thixotropic solid		<u>Skin Formation Time:</u>	White: 15 – 20 minutes* Clear: 5 – 10 minutes*
<u>Base:</u>	Silane Modified Polymer		<u>Tack Free Time:</u>	15 hours                      ASTM C679
<u>Odor:</u>	Alcohol		<u>Cure Time:</u>	24 – 74 hours*
<u>VOC Content:</u>			<u>Cure Rate:</u>	~2 mm / 24 hours*
White:	2.44% by weight	CARB	<u>Clean Up:</u>	Clean up uncured sealant residue with mineral spirits. Scrape away cured sealant using a sharp-edged tool
	36.6 g/L	SCAQMD		
Clear:	3% by weight	CARB		
	31.2 g/L	SCAQMD		
<u>Shelf Life:</u>	18 months from date of manufacture (unopened)			
<u>Lot Code Explanation:</u>				
<b>DDYY</b>				
DD = Last two digits of year of manufacture				
YYY = Day of manufacture based on 365 days per year				
Example: <b>22060</b> = March 1, 2022				

\* At 73°F (23°C) and 50% relative humidity using 1/4" (6mm) thick bead  
Time is dependent on temperature, humidity, porosity of substrate, and thickness of bead applied. Cure time is significantly increased in cold temperatures and/or low humidity conditions.

Typical Cured Performance Properties				
<u>Color:</u>	White, and colorless to light yellow	<u>Service Temperature:</u>	-14°F (-25°C) to 158°F (70°C)	
<u>Cured form:</u>	Non-flammable, rubbery solid	<u>Water Resistant:</u>	Yes, immediate water ready <sup>[1]</sup>	
<u>Shrinkage:</u>	Nil	<u>Joint Movement Capability:</u>	White: ± 35%	ASTM C719
<u>Paintable:</u>	Yes, with latex paint or primer <sup>[2]</sup>		Clear: ± 25%	ASTM C719
<u>Specifications:</u>	ASTM C-920, Type S, Grade NS, Use NT, Class 35, A (white color) ASTM C-920, Type S, Grade NS, Use NT, Class 25, A (clear color)			

- [1] Pro Seal Max is specially formulated to reduce early washout from showers, bathtubs, sinks, and other areas prone to high moisture.
- [2] Sealant can be painted 60 minutes after application with a high-quality acrylic latex paint or primer for bead size 1/4", temperature min 65°F & humidity min 50%. Otherwise, sealant should not be painted for 2 hours. If using oil-based paints, use latex primer and test first for compatibility in an inconspicuous area. Apply paint with reduced applicator pressure to avoid disturbing the caulk. Clean-up with a damp, disposable cloth; do not rinse.
- [3] Sealant can be applied to damp or dry surfaces. For wet surfaces, wipe off excess water before applying. Do not apply to materials that are water saturated such as wood and concrete. Do not use in areas of ponding water.



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## DIRECTIONS

### Tools Typically Required:

Utility knife, caulking gun, and tool to puncture cartridge seal.

### Safety Precautions:

Wear gloves and wash hands after use.

### Surface Preparation:

- Surfaces must be clean, structurally sound and free of standing water, snow, ice, dust, grease, oil or other contaminants likely to impair adhesion prior to application of the sealant. Cleaning of surfaces should be done within 1 to 2 hours before sealant is to be applied, to allow surfaces to dry. For best performance, store cartridge at room temperature at least 24 hours before use.
- For cleaning a solvent-dampened, clean rag usually produces the desired result. Isopropyl alcohol (IPA) is a commonly used solvent that has shown to be effective with most non-porous substrates. When handling solvents, refer to manufacturer's SDS for information on handling, safety, and personal protective equipment.
- Use backer rod for gaps deeper than 3/8" (9.5 mm). A width to depth ratio of 2:1 should be maintained.
- Architectural coatings, paints, and plastics should be cleaned with a solvent approved by the manufacturer of the product, or which does not harm or alter the finish.
- Since porous materials can absorb and retain moisture, it is important to confirm that substrates are dry prior to application of the sealant.

**Masking:** The use of masking tape is recommended, where appropriate, to ensure a neat job and to protect adjoining surfaces from over-application of sealant. Masking tape should be removed immediately after tooling the sealant and before the sealant begins to skin over (tooling time).

### Application:

- Cut nozzle to obtain desired bead size and fully pierce inner foil seal.
- Using a caulking gun, apply sealant in a continuous operation applying a positive pressure adequate to properly fill and seal the seam, cavity, or joint.
- Smooth or tool the sealant into gap within 5 minutes (clear) / 15 minutes (white) of application. Tool or strike the sealant with a concave tool, applying light pressure to spread the material against the joint surfaces to ensure a void-free application.
- When tooling, use care not to spread the sealant over the face of the substrates adjacent to the joint or masking as Pro Seal Max Window & Door sealant can be extremely difficult to remove from rough or porous substrates. Excess sealant should be cleaned from glass, metal, and plastic surfaces while still uncured. On porous surfaces the excess sealant should be allowed to progress through the initial cure or set-up. It should then be removed by abrasion or other mechanical means.
- If sealant is applied when the temperature is below 40°F (4°C) or if frost or moisture is present on the surfaces to be sealed, the rate of cure will slow. For standard cure speed, apply when temperatures are above 40°F (4°C).
- The cure rate of this product is primarily dependent upon temperature and the availability of atmospheric moisture. Under average conditions (relative humidity of 50 ± 5% at an air temperature of 73.4 ± 2°F (23 ± 1°C)) this material can attain a cured thickness of 2 mm per 24 hours (assuming ample access to atmospheric moisture). As temperature decreases, the cure rate slows down (and vice versa). Low moisture environments will also reduce the cure rate. In near-confined spaces, which limit the overall access to atmospheric moisture, sealant will cure only from that surface which has access to the atmosphere.

### NOTE:

- Some materials that bleed plasticizers or oils can cause a discoloration on the surface of sealants. When sealing to or over items such as: rubberized gaskets, bituminous based materials, butyl or oil-based products, oily woods, tapes, etc., compatibility testing prior to use is recommended.
- While Pro Seal Max Window & Door Sealant is generally considered a non-priming sealant, special circumstances or substrates may require a primer. It is the user's responsibility to test substrate compatibility, and the adhesion of the cured sealant on a test joint before applying to the entire project.
- Customers must evaluate GE branded products and make their own determination as to fitness of use in their application.
- In addition to the guidelines provided on this datasheet, Henkel Corporation recommends that designers and users of Pro Seal Max sealant familiarize themselves with the latest editions of the following industry guidelines and best practices:

- 1.) ASTM C1193 Standard Guide for Use of Joint Sealants.



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## STORAGE & DISPOSAL

**NOT DAMAGED BY FREEZING.** Store in unopened containers in a cool, dry area away from heat and direct sunshine under standard conditions. Standard storage conditions are defined as  $72 \pm 4^{\circ}\text{F}$  ( $22 \pm 2^{\circ}\text{C}$ ) and  $< 50\%$  relative humidity. Elevated temperatures or extreme cold temperatures will reduce shelf life. In cool or cold weather, store container at room temperature for at least 24 hours before using. Use an approved hazardous waste facility for disposal facility. Hardened material may be disposed of in the trash.

## LABEL PRECAUTIONS

### **WARNING! UNCURED SEALANT IRRITATES EYES AND SKIN.**

**WARNING!** Contains phthalate ester, vinyl trimethoxysilane and dibutyltin dilaurate. May be harmful if inhaled or swallowed. Methanol is released during application and cure, which may affect the nervous system causing dizziness, headache, or nausea. Use in a well-ventilated area. Do not breathe vapors. Avoid eye and skin contact. Prolonged or repeated skin contact with uncured sealant may cause irritation. Wear gloves and safety glasses when applying product. Remove contact lenses before using sealant. Wash hands after using.

**FIRST AID:** For eye contact flush with water for 15 minutes. Call a physician if irritation develops and persists. For skin contact, wash thoroughly with soap and water. If affected by inhalation, remove to fresh air and get medical attention if symptoms develop and persist. If ingested, do not induce vomiting; call a physician or Poison Control Center immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

 **WARNING: Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

**Refer to the Safety Data Sheet (SDS) for further information**

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